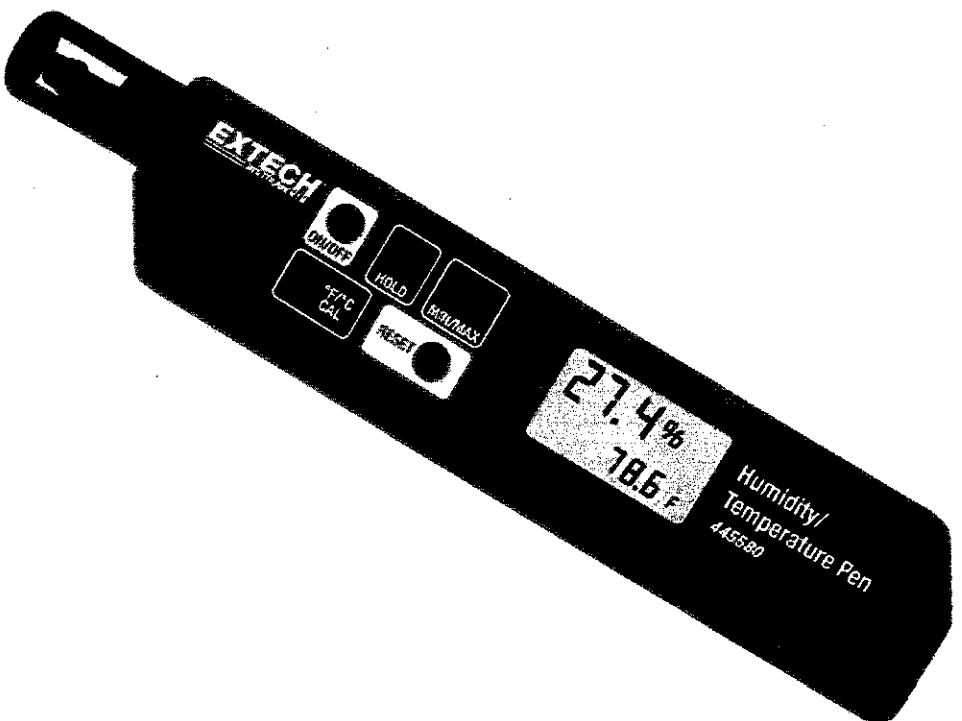




Extech 445580: Humidity/Temperature Pen

Compact, Digital Hygro-Thermometer, ideal for field use

5. CALIBRATION

5.1 CALIBRATION VERIFICATION

5.1.1 Checking the 33% RH Calibration

- Power the meter and insert meter sensor into the 33% salt reference bottle
- Put the meter and bottle inside the meter case
- Check the LCD reading after 40 minutes
- A reading between 31.5 and 34.5% indicates an accurate reading, otherwise, the meter should be recalibrated

5.1.2 Checking the 75% RH Calibration

- Power the meter and insert meter sensor into the 75% salt reference bottle
- Put the meter and bottle inside the meter case
- Check the LCD reading after 40 minutes
- A reading between 73.5 and 76.5% indicates an accurate reading, otherwise, the meter should be recalibrated

5.2 RELATIVE HUMIDITY CALIBRATION (33% and 75%)

5.2.1 Calibration for 33% Relative Humidity

- Insert the meter sensor into the 33% salt reference bottle and allow the meter to stabilize for 40 minutes
- Press and hold the "F/C CAL" key (use a paper clip or similar object to press this key) while powering the meter. Release the "F/C CAL" key when the display blanks and then displays only the small "c" and "f" symbols.
- Press the "RESET" key. "% MIN" will appear in the display.
- Press the "F/C CAL" key. "S" will appear in the display for two seconds and then "%MAX" will appear.

- Remove power to the meter. The 33% calibration is now complete.

5.2.2 Calibration for 75% Relative Humidity

- Insert the meter sensor into the 75% salt reference bottle and allow the meter to stabilize for 40 minutes
- Press and hold the "F/C CAL" key while powering the meter. Release the "F/C CAL" key when the display blanks and then displays only the small "c" and "f" symbols.
- Press the "RESET" key twice. "% MIN" and then "%MAX" will appear in the display.
- Press the "F/C CAL" key. "S" will appear in the display for two seconds and then the meter will return to normal operation.

- Remove power to the meter. The 75% calibration is now complete.

6. BATTERY REPLACEMENT

Use a coin to remove the battery compartment cover on the rear of the meter. Replace the 2032 lithium battery installing it face (+) up in the battery compartment.